Miele
PROFESSIONAL

Operating instructions

Commercial dishwasher PG 8083 SCVi

To avoid the risk of accidents or damage to the machine, it is **essential** to read these instructions as well as the installation plan before it is installed and used for the first time.

en - GB

M.-Nr. 09 402 650

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Text which is highlighted or emphasised

Important warnings

⚠ ⚠ Information which is important for safety is highlighted in a thick framed box with a warning symbol. This alerts you to the potential danger of injury to people or damage to property.
Read these warning notes carefully and observe the procedural instructions and codes of practice they describe.

Important instructions

Information of particular importance that must be observed is highlighted in a thick framed box.

Additional information and notes

Additional information and notes are highlighted in a box framed with a single black line. They are not necessarily specifically about operating the commercial dishwasher.

Procedure

Instructions on how to operate the dishwasher are described step by step in a logical sequence. Each step is introduced using a black square bullet point.

Example:

- Select the setting you want, and confirm your selection with the middle button.

Display

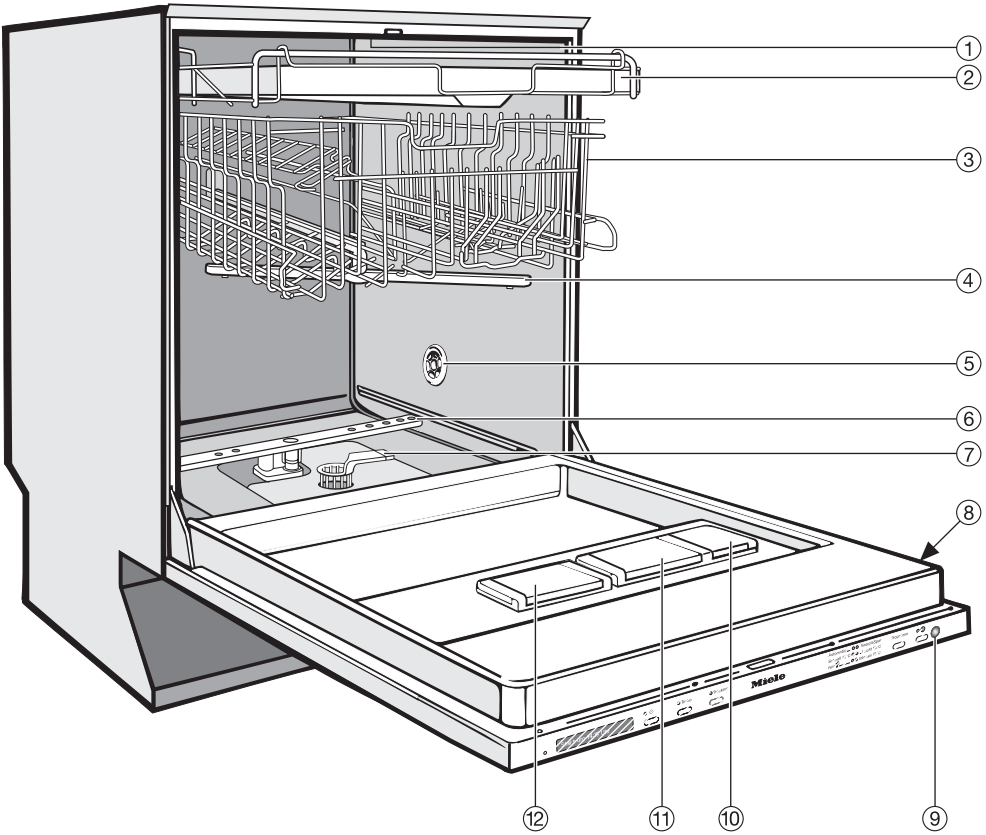
Information given via the display appears in a special display font.

Example:

If Finished or AutoOpen appears in the display ....

Guide to the machine

Machine overview



① Upper spray arm (not visible)

② Cutlery tray

③ Upper basket

④ Middle spray arm

⑤ Air inlet for drying

⑥ Lower spray arm

⑦ Filter combination

⑧ Data plate

⑨ In-operation indicator light

⑩ Rinse aid reservoir

⑪ Dual compartment detergent dispenser

⑫ Salt reservoir

Control panel

① Display

② > (Further programmes) button with indicator light

③ (Delay start) button with indicator light

④ + (Additional drying) button with indicator light

⑤ Programmes

⑥ V (Programme selector) button for scrolling through the programmes

⑦ (On/Off) button with indicator light

⑧ In-operation indicator light

This commercial dishwasher conforms to current safety requirements. Inappropriate use can, however, lead to personal injury and damage to property.
To avoid the risk of accidents and damage to the machine, please read these instructions carefully before using it for the first time.
They contain important information on its safety, installation, use and maintenance.
Keep these instructions in a safe place and pass them on to any future owner.

Correct application

▶ This commercial dishwasher with its short programme running times and powerful cleaning performance is intended for commercial use in offices, break areas, recreation rooms, staff rooms, clubhouses, workshops, active kitchens and other similar commercial environments.

It is also intended for use in domestic households and in similar residential environments for example by customers in hotels, motels, bed and breakfast and other similar establishments.

▶ This machine is not suitable for continuous use.

▶ It is is not suitable for the reprocessing of medical products or devices.

▶ The machine is designed for cleaning crockery, glassware and cutlery only, as described in these instructions. Alterations or conversions to the machine, or using it for purposes other than those for which it is designed, are not permitted and could be dangerous.
Miele cannot be held liable for damage caused by improper or incorrect use or operation.

▶ The machine is intended for stationary, indoor use only.

▶ The special inserts should only be used for their specific application.

▶ This machine can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they are supervised whilst using it or have been shown how to use it in a safe way and understand the hazards involved.

Correct installation

▶ Do not install the machine in an area where there is any danger of explosion or of freezing conditions.

▶ In order to ensure stability, a built-under or integrated commercial dishwasher must only be installed under a continuous worktop which is secured to adjacent cabinetry.

▶ Furniture and fittings installed near the machine must be of a commercial standard able to withstand the effects of steam and condensation.

Technical safety

▶ This commercial dishwasher must only be installed, commissioned and repaired by the Miele Service Department or an authorised Miele Service Dealer. Installation, repair and other work by unqualified persons could be dangerous and Miele will not be held liable.

▶ The machine must be operated by appropriately trained personnel only. They must be instructed and trained regularly.

▶ Before using the machine check it for any externally visible damage. Under no circumstances should you use it if it has been damaged. It could be dangerous.

▶ In the event of a damaged or leaking machine, switch off at the mains immediately and call the Miele Service Department or an authorised Miele Service dealer.

▶ Repair work to the machine can only be carried out by the Miele Service Department or an authorised Miele Service Dealer. Any unauthorised work will invalidate the guarantee.

▶ Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can Miele guarantee the safety standards of the machine.

▶ Do not connect the machine to the mains supply until it has been fully installed and any adjustment has been made to the door springs.

▶ The electrical safety of the machine can only be guaranteed if correctly earthed. It is most important that this basic requirement is observed and regularly tested and where there is in any doubt, the on-site wiring system should be tested by a qualified electrician.
Miele cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

▶ Please follow the advice on installation in these instructions and the separate Installation diagram.

▶ Before connecting the machine, check that the connection data on the data plate (voltage, frequency and fuse rating) match the mains electricity supply. If in any doubt, consult a qualified electrician.

▶ There must be no electrical sockets behind the machine. Danger of overheating if the machine were to be pushed up against a plug. See "Electrical Connection".

▶ Do not connect the machine to the mains electricity supply by a multi-socket adapter or an extension lead. These do not guarantee the required safety of the machine (e.g. danger of overheating).

▶ The machine must not be installed under a hob. The high radiant temperatures which are sometimes generated by a hob could damage the commercial dishwasher. For the same reason it should not be installed next to open fires or other appliances which give off heat, such as heaters etc.

▶ Do not open the housing of the machine. Tampering with electrical connections or components and mechanical parts is highly dangerous to the user and can cause operational faults.

▶ The machine must not be used if the electrical connection cable is damaged. If the cable is damaged it must be replaced with a special cable available from Miele. For safety reasons this must only be done by the Miele Service Department or an authorised Miele Service Dealer.

▶ The machine must be disconnected from the mains electricity supply before any maintenance or repair work is carried out. Do not reconnect it until the maintenance or repair work has been successfully completed.

▶ The plastic housing of the water connection contains an electrical component. The housing must not be dipped in water.

▶ There are electrical wires in the water inlet hose. Never cut the water inlet hose, even if it is too long.

▶ The integrated Waterproof System offers protection from water damage, provided the following conditions are met:

– The machine is correctly installed and plumbed in.

– The machine is properly maintained and parts are replaced where it can be seen that this is necessary.

– The stopcock is turned off when the machine is not used for a longer period of time (e.g. during holidays).

▶ The Waterproof system will work even if the machine is switched off. However, the machine must remain connected to the electricity supply.

▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the machine and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the guarantee.

Correct use

▶ The commercial dishwasher is designed for operation with water and cleaning agents suitable for use in dishwashers only. Organic solvents and flammable liquid agents must not be used in this machine.
These could cause an explosion, damage rubber and plastic components in the machine and cause liquids to leak out of the machine.

▶ Only use cleaning agents formulated for use in dishwashers. Using unsuitable cleaning agents could adversely affect the components of the machine, as well as items being cleaned.

▶ Do not sit or lean on the opened door. This could cause the machine to tip up and be damaged or cause an injury.

▶ After any plumbing work the water pipework to the machine will need to be vented.
If this is not done, components can be damaged.

▶ Please be aware that the dishwasher may be operating at high temperaures. If the door is opened there is a danger of burning or scalding. Crockery, cutlery, baskets and inserts must be allowed to cool down before they are unloaded. Any water remaining in containers could still be very hot. Empty them into the wash cabinet before taking them out.

▶ The water in the cabinet must not be used as drinking water.

▶ Pre-treating items (for example with washing-up liquid and other cleaning agents), as well as some types of soiling and some cleaning agents can cause a build-up of foam in the wash cabinet. Foam can have an adverse effect on the cleaning result.

▶ Foam escaping from the wash cabinet can cause damage to the machine. If foam escapes from the machine the programme must be cancelled immediately.

▶ When using cleaning agents and specialised products, it is essential that the manufacturer's instructions are followed. Cleaning agents must only be used for the purpose they are designed for and in the situation specifed, to avoid such dangers as chemical reactions and material damage.

▶ Do not inhale or ingest dishwasher detergent. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Seek medical advice immediately if detergent has been swallowed or inhaled. Follow the detergent manufacturer's safety instructions.

▶ Miele cannot be held liable for any effect chemical cleaning agents may have on the material of the items being cleaned.
Observe the cleaning agent manufacturer's instructions with regard to storage conditions, use and dosage.

▶ To avoid material damage and corrosion, do not allow any acids or solutions containing chloride to get into the wash cabinet. Similarly avoid any materials with a corrosive effect.

▶ Do not clean the machine or near vicinity with a water hose or a pressure washer.

▶ Be careful when sorting items with sharp pointed ends and positioning them in the dishwasher that you do not hurt yourself or create a danger for others. Sharp knives, forks etc. should be placed in baskets with the pointed ends facing downwards.

▶ Remove any coarse food deposits and empty any containers or utensils before loading them in the dishwasher.

Safety with children

▶ Supervise children when they are anywhere near the commercial dishwasher. Do not allow them to play with it. There is a danger that children playing might shut themselves in the dishwasher.

▶ Do not allow children to operate the commercial dishwasher.

▶ Keep children away from detergents. Dishwasher detergents contain irritant and corrosive ingredients which can cause burning in the mouth, nose and throat if swallowed, or inhibit breathing. Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet. Seek medical advice immediately if a child has swallowed or inhaled detergent.

Accessories

▶ Only use genuine Miele original spare parts and accessories with this commercial dishwasher. Using spare parts or accessories from other manufacturers will invalidate the guarantee, and Miele cannot accept liability.

The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal and should be recycled.

Ensure that any plastic wrappings, bags, etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation.

The packaging consists of the following materials:

Outer packaging:

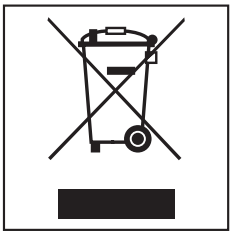
– Corrugated cardboard made from up to 100% recyclable material:
or: Polyethylene (PE) shrink wrap
– Polyproplylene (PP) strapping

Inner packaging:

– Chlorine and fluorine free expanded polystyrene (EPS)
– Base, lid frame and support battens made from untreated natural wood from renewable forests
– Polyethylene (PE) protective wrap

Disposing of your old machine

Electrical and electronic machines often contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your machine. Please do not therefore dispose of it with your household waste.



Please dispose of it at your local community waste collection / recycling centre or contact your dealer for advice.

Ensure that it presents no danger to children while being stored for disposal.

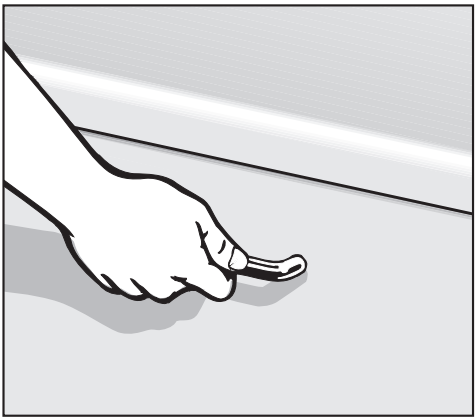
To enable sorting by type of plastic for recycling, all plastic parts of the machine are labelled with international standard symbols.

Energy saving dishwashing

This commercial dishwasher is exceptionally economical in its use of water and electricity. You can make the most of your machine by following these tips:

- If your water supply is suitable, this commerical dishwasher can be connected to a hot water supply for further economies. If the water is heated by solar panels, for example, this would be energy efficient. However, if your water is heated by electricity and the dishwasher is going to be used primarily for glasses we would recommend connection to cold water.
- For most economical dishwashing make full use of the baskets without overloading the dishwasher.
- Choose the programme to suit the type of crockery being washed and the degree of soiling.
- Select the ECO programme for energy-saving dishwashing.
  This Standard programme is the most efficient in terms of its combined energy and water consumption at cleaning normally soiled crockery.
- Follow the detergent manufacturer's recommendations on detergent dosage.
- When using powder or liquid detergent you can use $^1/_3$ less detergent if baskets are only half full.

To open the door



At the end of programmes with a drying phase (see "Programme chart"), the door will open automatically a little in order to help the drying process.
This function can be deactivated, if preferred (see "Settings menu, AutoOpen").

- Pull the handle.

If the door is opened during operation, all functions are automatically interrupted.

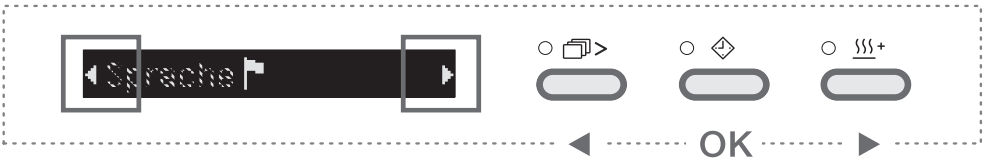
⚠ Keep the area around the door free of obstructions.

To close the door

- Push the baskets right in.
- Then raise the door up, and push until it clicks into position.

⚠ Do not put your hand inside the door as it is closing. Danger of injury.

Display



General

The display is used to select or set the following:

– the programme
– the delay start time
– settings

During a programme, the display shows the following:

– the stage the programme is at
– the estimated time left for the programme to run
– any relevant fault messages and notes

To save energy, the dishwasher will switch to Standby mode after a few minutes if you do not press any buttons or if no programme is running. It will switch off completely a few minutes after that (see "Operation, Standby").
Press the ⏻ button to switch the dishwasher back on again.

Settings menu

The Settings menu is used to alter the machine's electronics to suit different requirements.
You access the settings menu by pressing a specific button combination. See "Settings menu" for more details.

In the Settings menu, the normal functions of the buttons underneath the display are switched off so that these buttons can be used to select and confirm Setting options.

The arrows on the left and right of the display, indicate further options. You can use the button underneath the display on the left or right, as appropriate, to select these further options.

The middle button underneath the display is used to confirm a message or setting and also to move to the next menu or to another menu level.

✓
A tick will appear beside the option which is currently selected.

Basic settings

■ Switch the machine on with the ⏻ button.

If the dishwasher is being switched on for the first time, the welcome screen will appear.

Language

The display will then change automatically to the screen for setting the language.

> See "Display" for more information about the display.

■ Select the language you want, and confirm your selection with the middle button.

A tick ✓ will appear next to the language that has been set.

Water hardness

The display will then change to the screen for setting the water hardness.

– The dishwasher must be programmed for the water hardness in your area.

– Your local water authority will be able to advise you of the water hardness level in your area.

– Where the water hardness fluctuates, e.g. between 3.1 - 4.5 mmol/l (17 - 25 °d - German scale), always programme the dishwasher to the higher value (4.5 mmol/l in this example).

In the event of a fault, it will help the service technician if you know the hardness of your local water supply.

Enter the water hardness below:

_____ mmol/l or °d

The dishwasher is programmed at the factory for a water hardness level of 2.7 mmol/l (15 °d - German scale).

■ Select the water hardness you want, and confirm your selection with the middle button.

> See "Settings menu, Water hardness" for further information.

The following two messages **Add rinse aid** and **Add salt** may then appear in the display.
Press any button to confirm these. The display will change to show the main menu.

These basic settings will be saved in memory after the dishwasher has been through one complete programme.

The welcome screen will no longer appear once the dishwasher has been through one complete programme.

Before using the machine for the first time, you require:

– approx. 1 kg dishwasher salt for reactivation,

– approx. 110 ml rinse aid,

– Dishwasher detergent: see "Operation".

Every dishwasher is tested at the factory.
There will be residual water in the machine from this test. It is not an indication that it has been used previously.

Filling the salt reservoir

In order to achieve good cleaning results, the dishwasher needs to operate with soft water. Hard water results in the build-up of calcium deposits on crockery and in the dishwasher.
Mains water with a hardness level higher than 0.7 mmol/l (4° d – German scale) needs to be softened. This takes place automatically in the integrated water softener. The water softener must be filled with dishwasher salt for reactivation. The water softener is suitable for a water hardness level of up to 6.5 mmol/l (36 °d - German scale).

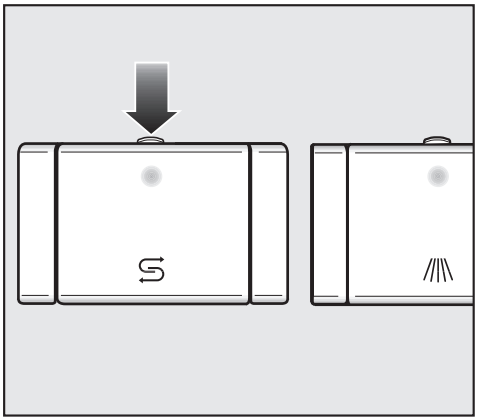
See "Settings menu, Water hardness level" for information on programming the water softener to the water hardness level in your area.

If the water in your area is very soft and constantly **lower than 0.7 mmol/l (4 °d - German scale)**, you do not need to add dishwasher salt. The water softener must, however, still be programmed to correspond to the water hardness level in your area.

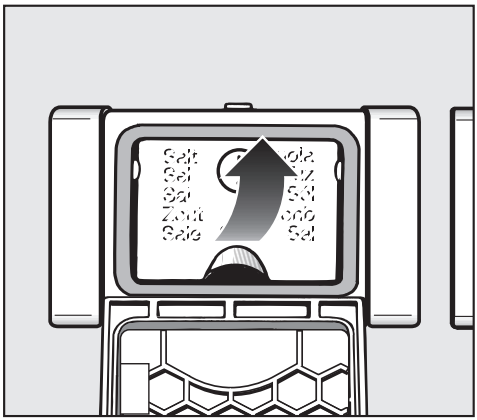
⚠ Do not fill the salt reservoir with powder or liquid dishwasher detergent. This will damage the water softener. Make sure you have picked up the correct packet of dishwasher salt before filling the salt reservoir!

⚠ Only use special coarse grained dishwasher salt for reactivation, as other salts may contain insoluble additives which can impair the functioning of the water softener.

- When filling the salt reservoir **only open the door halfway** to ensure that all the salt gets into the reservoir.

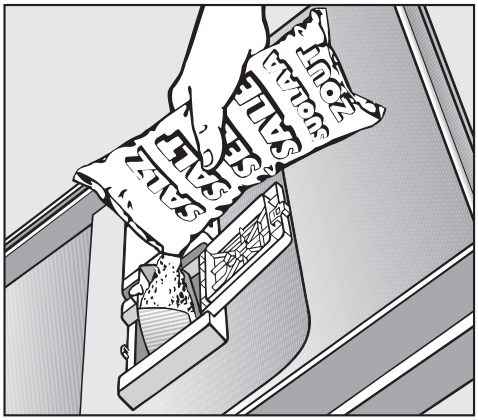


- Press the button on the lid of the salt reservoir in the direction of the arrow. The flap will spring open.



- Lift up the funnel.

Do not fill the salt reservoir with water.



- Add salt only until the reservoir is full. The salt reservoir holds approx. 1 kg of salt, depending on the brand used.

Do not add any more than 1 kg of salt.

As the salt reservoir is filled, displaced water can overflow.

- Clean any excess salt from around the reservoir opening, and then close the flap.
- Run the Pre-wash programme immediately without any crockery in the dishwasher to remove any traces of salt from the cabinet.

"Add salt" message

- Fill the salt reservoir with dishwasher salt for reactivation when the Add salt message appears. (If it appears during a programme, wait until the end of the programme).
- Confirm by pressing the middle button.

The "Add salt" message will go out.

After the salt reservoir has been filled, the "Add salt" message may still appear in the display if the salt concentration has not yet reached the correct level. If this is the case, press the middle button again.

The "Add salt" message will not appear if the dishwasher has been programmed for a water hardness level of less than 0.7 mmol/l (4°d - German scale).

⚠ After refilling the salt reservoir, run the Pre-wash or Short programme immediately (without any crockery in the dishwasher) to remove any traces of salt from the cabinet.

Rinse aid

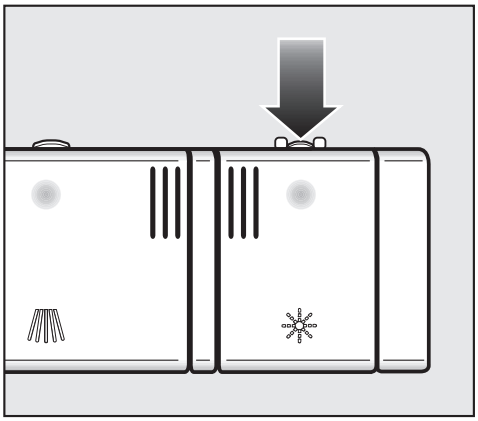
Rinse aid is necessary to ensure water does not cling and leave marks on crockery during the drying phase and helps crockery dry faster after it has been washed.
Rinse aid is poured into the storage reservoir and the amount set is dispensed automatically.

⚠ Only fill the rinse aid reservoir with rinse aid. Do not fill it with washing-up liquid or powder or liquid detergent. This will seriously damage the reservoir.

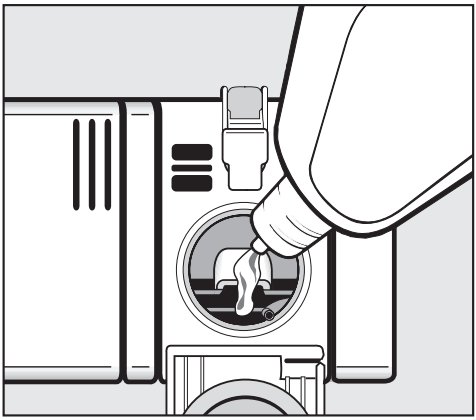
Alternatively, it is possible to use household vinegar with a max. 5% acid content or liquid citric acid with a max. 10% acid content. The resulting rinsing and drying quality will not, however, be as good as when rinse aid is used.

⚠ Do not use vinegar with a higher acid content (e.g. vinegar essence containing 25% acid). This would damage the dishwasher.

Adding rinse aid



- Press the button on the lid of the rinse aid reservoir in the direction of the arrow The flap will spring open.



- Add rinse aid only until it is visible in the opening.

The rinse aid reservoir holds approx. 110 ml.

- Close the flap firmly so that it clicks into place. Otherwise water can enter the rinse aid reservoir during a programme.
- Wipe up any spilled rinse aid. This prevents over-foaming occurring during the next programme.

You can adjust the rinse aid dosage for best results (see "Settings menu, Rinse aid").

"Add rinse aid" message

When the Add rinse aid message appears, the reservoir contains sufficient rinse aid for 2 - 3 programmes only.

- Add rinse aid in plenty of time.
- Confirm by pressing the middle button.

The "Add rinse aid" message will go out.

Preparing the load

Remove coarse food residues from crockery.

There is no need to rinse items under running water.

⚠ Do not wash items soiled with ash, sand, wax, lubricating grease or paint in the dishwasher.
These substances will damage the dishwasher.

Crockery can be loaded anywhere in the baskets, but the following notes should be observed:

– Do not place crockery and cutlery inside other pieces where they may be concealed.

– Load the crockery so that water can access all surfaces. This ensures that they get properly cleaned.

– Make sure that all items are securely positioned.

– Hollow items such as cups, glasses, pans, etc. must be inverted in the basket.

– Tall, narrow, hollow items, e.g. champagne glasses, should be placed in the centre of the basket. This ensures better water coverage.

– Wide based items should be placed at an angle so that water can run off them freely.

– The spray arms must not be blocked by items which are too tall or hang through the baskets.
If in doubt, test for free movement by manually rotating the spray arms.

– Make sure that small items do not fall through the holders in the baskets. Small items, e.g. lids, should therefore be placed in the cutlery tray or cutlery basket (depending on model).

Some foodstuffs may contain natural dyes, e.g. carrots, tomatoes or ketchup. Plastic items in the dishwasher may discolour if large quantities of these foodstuffs find their way into the machine on the crockery. The stability of plastic items is not affected by this discolouration.

Items not suitable for dishwashers:

– Wooden cutlery and crockery or items with wooden parts: these may discolour and fade. The glue used in these items is not dishwasher-proof. Wooden handles may come loose after being washed in a dishwasher.

– Craft items, antiques, valuable vases and decorative glassware are also not suitable for dishwashers.

– Plastic items which are not heat resistant: the high temperatures in the dishwasher may cause them to melt or lose shape.

– Copper, brass, tin and aluminium items may discolour or become matt.

– Colours painted over a glaze may fade after a number of washes.

– Do not wash very delicate glassware, or glassware containing lead crystal in a dishwasher as clouding can occur after frequent washing.

We recommend:

– When purchasing new crockery and cutlery, make sure they are dishwasher-proof.

– Clouding may occur on glasses after frequent washing. If delicate glassware is washed in the dishwasher ensure that only very low temperatures are used. This will reduce the risk of clouding.

– Wash particularly delicate glassware by hand.

Please note:

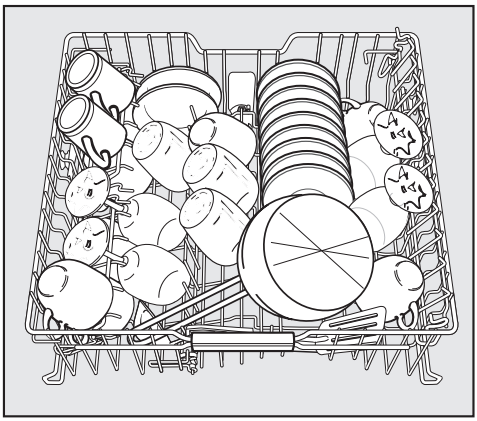
Silverware previously cleaned with a **silver polish** may still be damp or spotted at the end of a programme, where water has not run off smoothly. It may need to be rubbed dry with a soft cloth.

Silver which has been in contact with foods containing sulphur can discolour. These include egg yolk, onions, mayonnaise, mustard, pulses, fish, fish brine and marinades.

⚠ Aluminium components (e.g. grease filters) must not be cleaned with caustic alkaline commercial or industrial cleaning agents. These may damage the material, or in extreme cases, cause a severe chemical reaction.

Upper basket

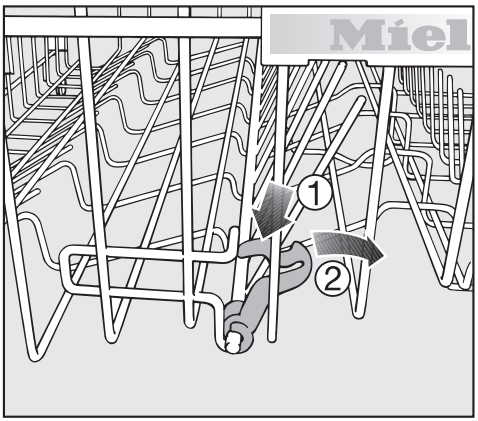
⚠ For safety reasons, do not operate the dishwasher without the upper and lower baskets in place.



- Use the upper basket for small, lightweight and delicate items such as cups, saucers, glasses, dessert bowls, etc. Shallow pans or casserole dishes can also be placed in the upper basket.
- Long items such as soup ladles, mixing spoons and long knives should be placed lying down across the front of the upper basket.

Hinged spikes

The rows of spikes can be lowered to make more room for larger items such as casserole dishes.



- Press the yellow lever downwards ①, and then lower the spikes ②.

Hinged cup rack

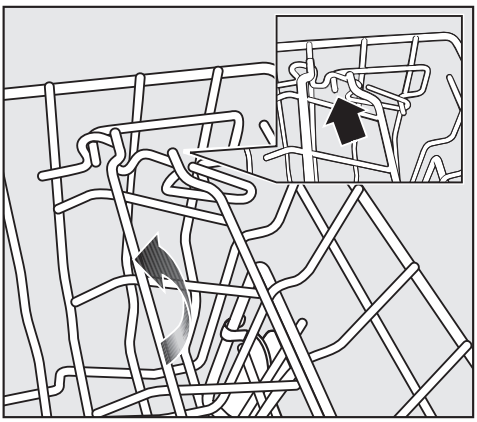
- To make room for tall items, raise the rack upwards.

Glasses can be arranged along the cup rack to give them some support during the programme.

- Lower the cup rack and lean the glasses against it.

Jumbo cup rack

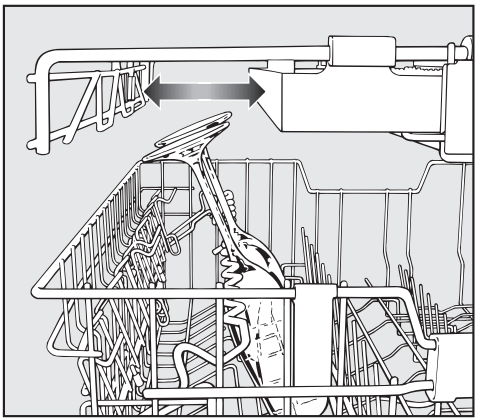
The cup rack can be set at two different widths so that it can also accommodate large cups.



- Pull the cup rack upwards and click it back into position at the required width.

Glass rail

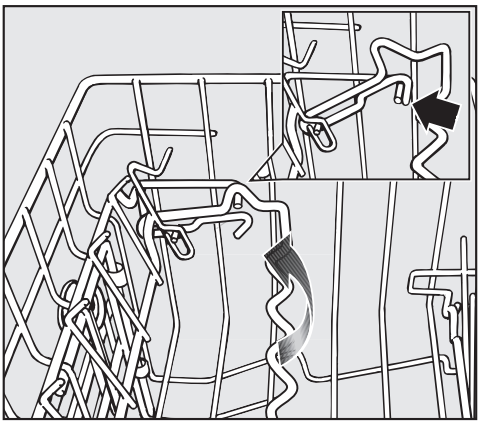
This rail is designed to hold tall glasses and glasses with stems securely.



- Lower the rail and lean tall glasses against it.
- You can also move one of the side inserts of the cutlery tray to make more room for tall glasses.

Adjusting the height

You can set the glass rail at two different heights.



- Pull the rail upwards and click it back into position at the required height.

Use the low setting for small glasses and tumblers.

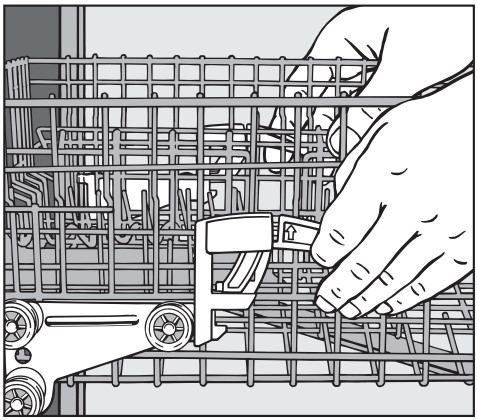
Use the high setting for tall glasses and glasses with stems.

Adjusting the upper basket

In order to gain more space for taller pieces of crockery in the lower or upper basket, the upper basket can be adjusted on three levels with 2 cm between each level.

The upper basket can also be set at an angle with one side high and the other side low. Ensure, however, that the basket can slide smoothly in and out of the cabinet. It is better to adjust the basket before loading it.

- Pull out the upper basket.



To adjust the upper basket upwards:
- Lift the basket up until it clicks into place.

To adjust the upper basket downwards:
- Pull upwards on the levers at either side of the upper basket.
- Adjust the basket to the desired height and then push the levers securely back down into position.

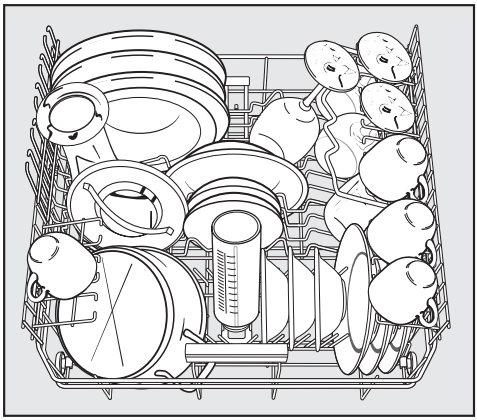
Depending on the setting of the upper basket, the following plate dimensions can be accommodated.

Dishwashers with cutlery tray

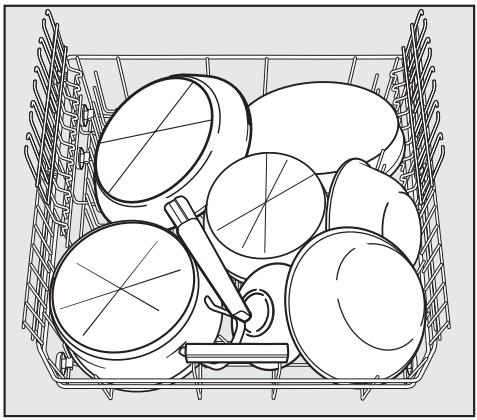
Upper basket level	Plate ∅ in cm	
	Upper basket	Lower basket
Top	19	31
Middle	21	29
Bottom	23	27

Lower basket

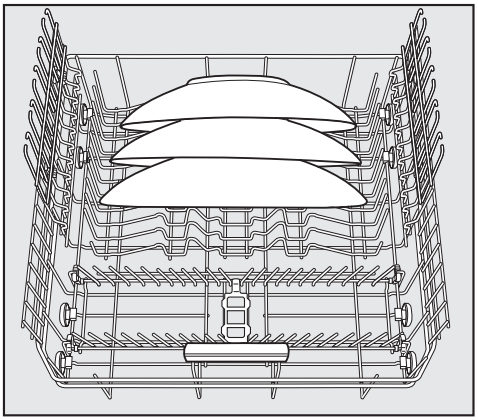
- For larger and heavier items such as plates, serving platters, saucepans, bowls, etc.
  Glasses, cups and small items such as saucers can also be placed in the lower basket.
  Do not place thin, delicate glassware in the lower basket.



Dishwashers with a cutlery tray



Heavily soiled items



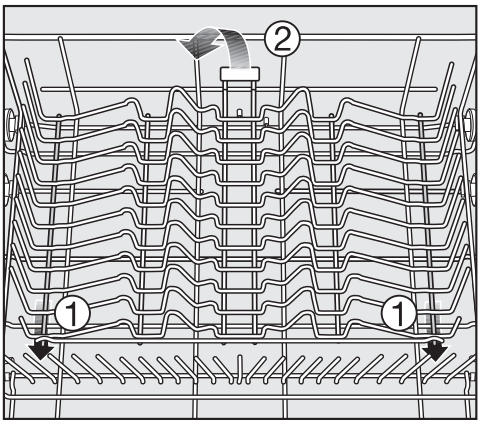
- Place large platters and dishes in the centre of the lower basket.

When tilted, plates up to 35 cm in diameter can be accommodated.

Removable MultiComfort insert

The rear section of the lower basket is used for washing cups, glasses, plates, pots and pans.

You can remove the MultiComfort insert to make more room for larger items such as casserole dishes.



To remove the insert ①

- Press the yellow handle forwards and remove the insert.

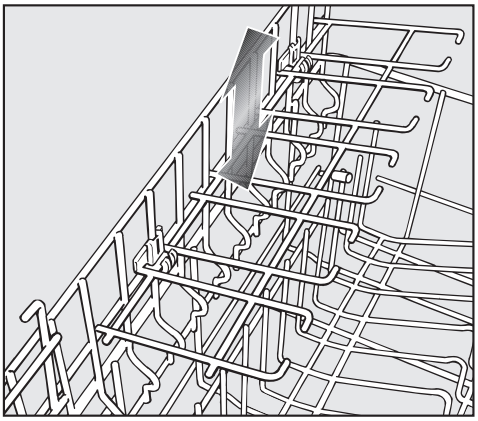
To replace the insert ②

- Fit the insert into the lower basket with the hooks going under the long cross-piece.
- Press down on the insert until it clicks into position

Glass rack

- The glass rack can be raised to make more room for tall items.
- Stem glassware, e.g. wine glasses or champagne flutes, can be leaned against the rack or suspended from it.

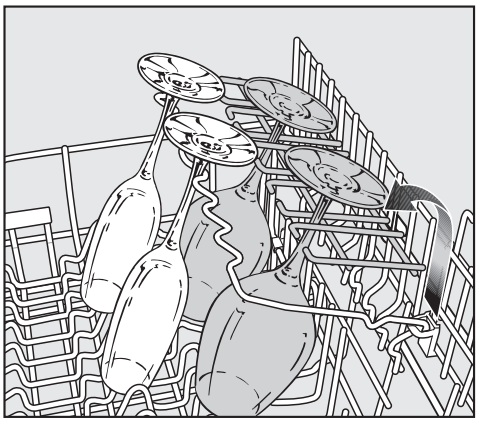
The height of the glass rack is adjustable.



- Slide the glass rack to the desired height until the catches click into place at the top.

Glass rail

This rail is designed to hold tall glasses and glasses with stems securely.

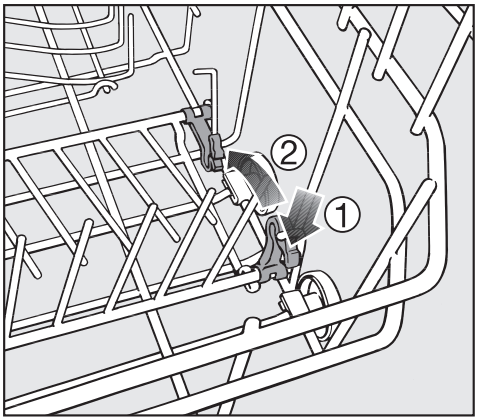


- Lower the rail and lean tall glasses against it.

Hinged spikes

The spikes at the front are used for washing plates, soup bowls, platters, dessert bowls and saucers.

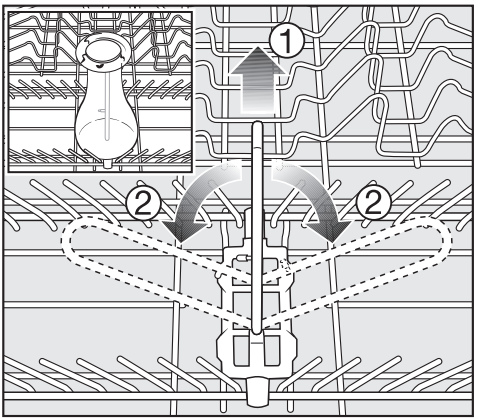
Both rows of spikes can be lowered to make more room for large items, e.g. pots, pans and dishes.



- Press the yellow lever downwards ①, and then lower the spikes ②.

Bottle holder

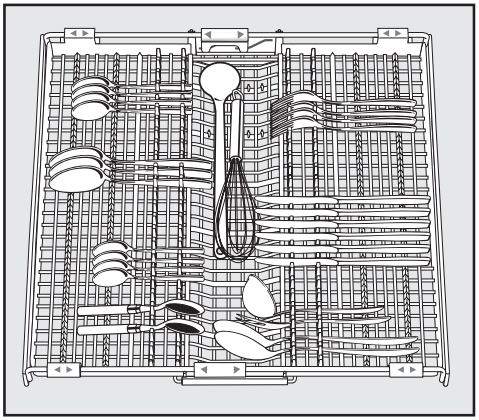
The bottle holder can be used to wash narrow items, e.g. milk and baby bottles.



- If the bottle holder is not needed, lift it up ① and fold the sides down ②, as illustrated.

Cutlery

3D cutlery tray



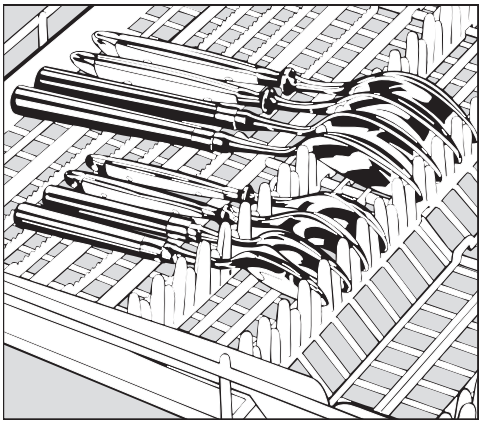
- Arrange the cutlery in the tray as shown.

To make unloading much easier, cutlery should be grouped in zones, one for knives, one for forks, one for spoons, etc.

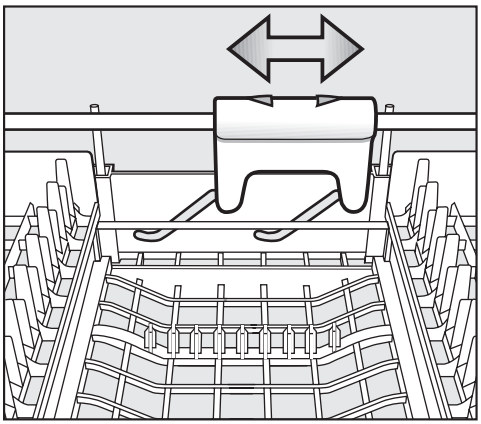
Spoon heads should be placed in contact with at least one of the serrated retainers on the base of the cutlery tray to ensure that water runs off them freely.

The upper spray arm must not be blocked by items which are too big (e.g. cake slices).

The side sections of the tray can be moved into the middle to accommodate tall items of crockery in the upper basket.



If spoon handles do not fit between the holders, then lay them the other way round.



You can use the yellow slide to adjust the height of the middle section of the cutlery tray to make more room for large items of cutlery, such as serving spoons and ladles.

Detergent

Only use powder dishwasher detergent in dishwashers which have the detergent dispenser compartment located in the door.

Do not use tablet detergent as the short programme durations will not allow the tablets to dissolve properly.

- Put powder detergent into the correct dispenser compartments.

If you wish to use liquid detergent, you will need to purchase a G 60 Semi DOS module (see "Settings menu, External dispensing").

For cleaning specific types of soiling please contact the Miele Service Department for advice on the optimum cleaning agent to use for the particular circumstances.

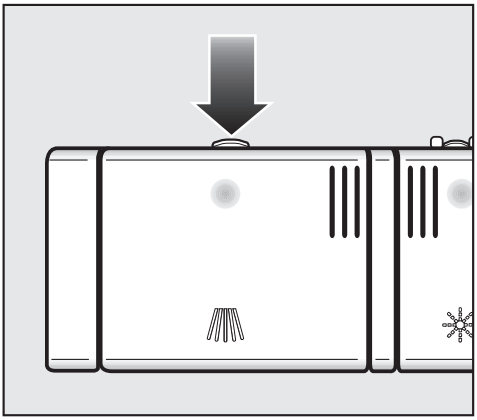
Dispensing

- Follow the dosage recommended by the detergent manufacturer on the packaging.
- Unless directed otherwise, add 20 to 30 g of powder detergent to compartment II, depending on the level of soiling.
  With very heavy soiling you can also add a small amount of detergent to compartment I (see "Programme chart").

Failure to dispense the recommended amount of detergent may impair cleaning results.

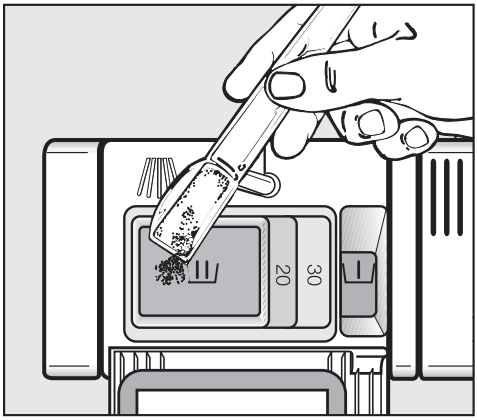
⚠ Avoid inhalation of powder detergents and do not ingest dishwasher detergent. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Consult a doctor immediately if detergent has been swallowed or inhaled.
Keep detergent and other household agents out of the reach of children at all times. Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet. To avoid the danger of children coming into contact with dishwasher detergent only add detergent just before starting the programme and close the door.

Adding detergent



- Press the opening catch on the detergent dispenser. The flap will spring open.

The flap is always open at the end of a programme.



- Add the required amount of detergent and close the flap.
- Make sure that the detergent packaging is properly closed after use to avoid it getting damp and becoming lumpy.

For information

Compartment I holds max. 10 ml, Compartment II holds max. 50 ml.

There are markings in compartment II to assist with dispensing: 20, 30. The marks indicate a level of approx. 20 or 30 ml when the door is open in the horizontal position.
They also indicate the approx. amount in grammes (depending on the manufacturer and the coarseness of the detergent).

Switching on

- Open the stopcock, if it is closed.
- Open the door.
- Make sure the spray arms are not obstructed.
- Switch the machine on with the ⏻ button.

The ECO programme (which is the factory default programme) will appear in the display for a short time and the appropriate indicator light will come on.

After a short while, the estimated duration for the programme will appear in the display.

You can alter the setting of the dishwasher so that the last programme used will appear in the display when the machine is switched on (see "Settings menu, Pre-select prog.").

Selecting a programme

Choose your programme according to the type of load and the degree of soiling.

The different programmes and their uses are described in the **Programme chart** later on in this booklet.

- Select the programme required with the ∨ button.

The indicator light next to the selected programme will come on.

When the indicator light for the ⧉ symbol lights up you can use the ⧉ > button to select one of the further programmes.

You can now select additional functions (see "Additional functions").

Starting the programme

- Start the programme by closing the door.

The In-operation indicator light comes on to show that a programme has started.
If any additional functions are selected, the appropriate indicators will also light up.

A programme can only be cancelled in the first few minutes. Otherwise the programme must continue to the end so that important programme stages (e.g. reactivating the water softener) are not omitted.

Time display

The duration of the programme selected appears in hours and minutes in the display before the programme begins. During the programme, the time left until the end of the programme is displayed.

Symbols appear to indicate which stage the programme is at:

Pre-wash
Main wash
Interim rinse
Final rinse
Drying
Finished

The time displayed may vary with the same programme. This can be due among other factors, to the water temperature at each intake, the reactivation process and the amount of crockery.

When a programme is selected for the first time, the display shows an average duration. This will vary once the machine has been used.

Programme durations will vary for other electrical variants.

Standby

To save energy, the dishwasher will switch to Standby mode a few minutes after the last time a button has been pressed or a few minutes after the end of the programme. The display and the indicator lights will go out and only the ⏻ indicator light will flash slowly.

- Press the ⏻ button to switch the display and indicators back on again.

If the dishwasher is not switched off at the end of the programme, it will switch off completely after a few minutes in Standby mode (see "Settings menu, Optimise standby").

The dishwasher will not switch into Standby mode whilst a programme is running, if salt or rinse aid needs to be replenished or there is a fault.

You can switch off the reminders to replenish salt and rinse aid so that the dishwasher will go into Standby despite a lack of salt or rinse aid (see "Settings menu, Refill display"). You cannot switch off fault messages.

At the end of the programme

At the end of a programme, the In-operation indicator light will be visible flashing slowly with the door shut.

If the door has opened slightly, and Finished or AutoOpen appears in the display, this indicates that the programme has finished.

With "Additional drying" and "AutoOpen" activated, the drying fan will continue to run for a few minutes after the programme has finished.

- Open the door completely to re-engage the door closing mechanism.

You can now empty the dishwasher.

The In-operation indicator light will go out 10 minutes after the end of the programme if the door is closed.

⚠ If you have deactivated the automatic door opening function (see "Settings menu, AutoOpen"), but would still like to open the door at the end of the programme, then make sure that you open the door fully. Otherwise steam from the dishwasher could damage the edge of the worktop because the fan is no longer running.

Switching off

At the end of a programme:

- Open the door.
- Switch the machine off with the ⏻ button.

The dishwasher will continue to use electricity until it is switched off with the ⏻ button.

If the dishwasher is not going to be used for a longer period of time, e. g. whilst on holiday, the stopcock should be closed.

Unloading the dishwasher

Dishes tend to break and chip more easily when they are hot.
Allow the dishes to cool until they are comfortable enough to handle before unloading them.

If you open the door fully after switching off, the dishes will cool much faster.

First unload the lower basket, then the upper basket and finally the cutlery tray (depending on model).
This will prevent water drops from the upper basket falling on to the dishes in the lower basket or water drops from the cutlery tray from falling onto the dishes in the upper and lower baskets.

Interrupting a programme

A programme is interrupted as soon as the door is opened.
If the door is closed again, the programme will continue from the point it was at before the door was opened.

⚠ Water in the dishwasher may be hot. Danger of scalding.
Only open the door if absolutely necessary and exercise extreme caution when doing so. Before closing the door again, leave it ajar for approx. 20 seconds. This will enable the temperature in the wash cabinet to settle. Then raise the door up and push until the catch engages.

Changing a programme

If liquid detergent dispensing is not being used and the detergent dispenser flap has already opened, then more powder detergent must be added for the new programme.

If a programme has already started and you wish to change it, proceed as follows:

- Open the door.
- Switch the machine off with the ⏻ button.
- Switch the machine on again with the ⏻ button.
- Select the programme required with the programme selector button.
- Start the programme by closing the door.

The In-operation indicator light comes on to show that a programme has been started.

Additional drying

In order to achieve a better drying result and to minimise the amount of steam which escapes when the door is opened, the fan runs for longer at the end of the programme when Additional drying is selected. This function is not available for all programmes.

With Additional drying selected, the programme duration will increase by approx. 20-30 minutes, depending on the programme.

- Open the door.
- Switch the machine on with the ⏻ button.

The ⏻ indicator light will come on.

- Select a programme.
- Press the + button.

The + indicator light will come on if the function is available for the programme selected.

- Start the programme by closing the door.

Delay start

The start time of a programme can be delayed, e.g. to benefit from economy rates of electricity. A delay start time of between 30 minutes and 24 hours can be selected. The delay start time is set in 30 minute steps.

When using the Delay start function, make sure that the detergent compartment is dry before adding detergent. Wipe dry with a cloth if necessary. If the compartment is wet, powder detergent can become lumpy and stick to the dispenser, with the result that it is not fully dispensed.

- Open the door.
- Switch the dishwasher on with the ⏻ button.

The ⏻ indicator light will come on.

- Select the programme required with the programme selector button.
- Press the ⏱ button.

The last delay start time used will appear in the display. The ⏱ indicator will light up.

- Set the required time using the ⏱ button.

If the ⏱ button is kept pressed in, the time will increase automatically up to **24:00 h**. To start at 30 minutes again, press the ⏱ button twice.

- Close the door.

If, after you have set the delay start time, you do not close the door within a few seconds, the display will revert to showing the programme duration. You will have to enter the delay start time again.

The delay start time then counts down to the start time selected in minute stages.

At the end of the delay period, the programme selected begins automatically. The In-operation control light will come on.

Starting a programme before the delay start period has elapsed:

A programme can be started before the delay start period has elapsed. Proceed as follows:

- Open the door.
- Switch the machine off with the ⏻ button.
- Switch the machine on again with the ⏻ button.
- Select the programme required with the programme selector button.
- Start the programme by closing the door.

The In-operation indicator light comes on to show that a programme has been started.

BrilliantLight

This dishwasher has interior lighting. When the door is open the lighting will switch off automatically after 15 minutes.

You can also switch off the interior lighting permanently.

- Half open the dishwasher door and quickly swing it back and forth three times. When doing this, open the door wide enough for the interior lighting to switch on and off.

The lighting will now be switched off all the time.

- To switch the lighting back on again, quickly swing the half-opened door back and forth three times again.

Check your dishwasher regularly (approx. every 4 - 6 months). This way faults and problems can be avoided.

⚠ The external surfaces of the dishwasher are susceptible to scratching.
Contact with unsuitable cleaning agents can alter or discolour the external surfaces.

Cleaning the wash cabinet

The wash cabinet is largely self-cleaning, provided that the correct amount of detergent is always used.

If, however, there are limescale or grease deposits in the cabinet, these can be removed with a proprietary dishwasher cleaner (available from Miele).

If you mainly use low temperature programmes, bacteria and unpleasant odours can build up in the wash cabinet. To prevent this, run an intensive programme using powder detergent after approx. 20 low temperature programmes.

Cleaning the door and the door seal

- Wipe the door seals regularly with a damp cloth to remove food deposits.
- When the dishwasher is being loaded, food and drink residues may drip onto the sides of the dishwasher door.
  These surfaces are outside the wash cabinet and are not accessed by water from the spray arms. Any soiling should be wiped off these surfaces before the door is closed.

Cleaning the reflector panel

The reflector panel for the In-operation indicator light is situated in the coverplate underneath the worktop.

- The reflector panel and its plastic holder should only be wiped with a damp cloth or a suitable cleaning agent designed for use on plastic.

Cleaning the control panel and door front

⚠ Remove any soiling immediately. If this is not done, it might become impossible to remove and could cause the external surfaces to alter or discolour.

- The control panel should **only** be wiped with a damp cloth.
- Clean the front with a clean sponge and a solution of hot water and washing-up liquid. Then dry with a soft cloth.
  A damp microfibre E-cloth without cleaning agent can also be used.

To avoid damaging the external surfaces, do not use:

- cleaning agents containing soda, ammonia, acids or chlorides,
- cleaning agents containing descaling agents,
- abrasive cleaning agents, e.g. powder cleaners and cream cleaners,
- solvent-based cleaning agents,
- stainless steel cleaning agents,
- dishwasher cleaner,
- oven sprays,
- glass cleaning agents,
- hard, abrasive sponges and brushes, e.g. pot scourers,
- melamine eraser blocks,
- sharp metal scrapers,
- steam cleaning appliances.

Checking the filters in the wash cabinet

The filter combination in the base of the wash cabinet retains coarse soil from the suds solution, preventing it accessing the circulation system and re-entering the cabinet through the spray arms.

⚠ The dishwasher must not be used without all the filters in place.

Collection of coarse soil may cause the filters to clog. The level of soiling and time it takes before the filters need cleaning will vary depending on use.

The message **Check filters** will appear in the display after every 50 programme cycles (factory default setting).

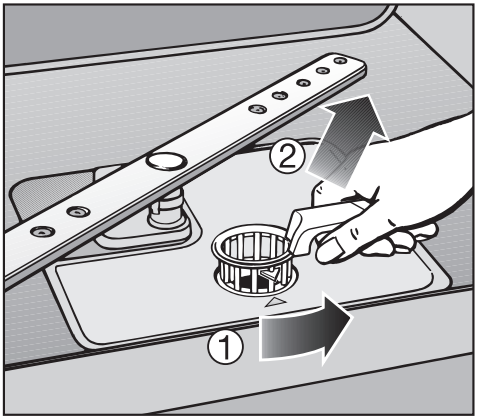
You can set the interval for this message to appear to between 30 and 60 programme cycles (see "Settings menu, Check filters").

- Check the filter combination.
- Clean it, if necessary.
- Confirm the message with the middle button.

The last programme selected will appear in the display briefly and the appropriate indicator light will come on. After a short while, the estimated programme duration will appear in the display.

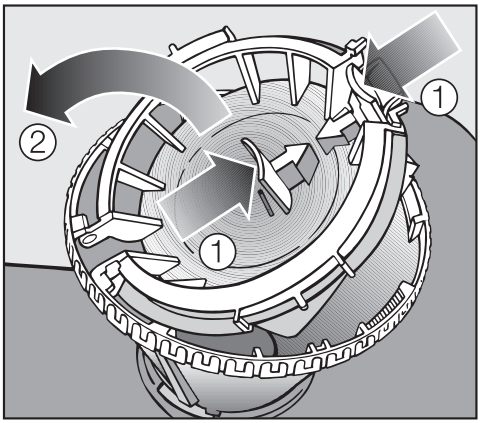
Cleaning the filters

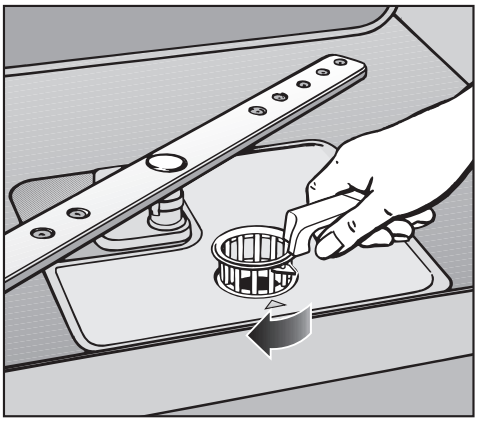
- Switch the dishwasher off.



- Turn the handle anti-clockwise to release the filter combination ①.
- Lift the filter combination out of the dishwasher ②. Remove any coarse particles and rinse the filter well under running water. Use a nylon brush if necessary.

⚠ Make sure that when cleaning the filters, no coarse soil falls into the circulation system. This could cause a blockage.





To clean the inside of the filter, the flap must be opened:

- Press catches ① together in the direction of the arrows as shown, and open the filter ②.
- Rinse all the filters under running water.
- Then close the flap so that the catch engages.
- Replace the filter combination so that it lies flat in the base of the wash cabinet.
- Then turn the handle clockwise to lock the filter combination in place.

⚠ Take care when you are fitting the filter combination that it is secured in position correctly. Otherwise coarse soil could get into the circulation system and cause a blockage.

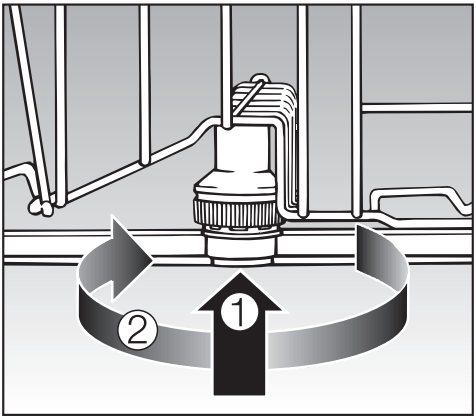
Cleaning the spray arms

Particles of food can get stuck in the spray arm jets and bearings. The spray arms should therefore be inspected and cleaned regularly (approx. every 4 - 6 months).

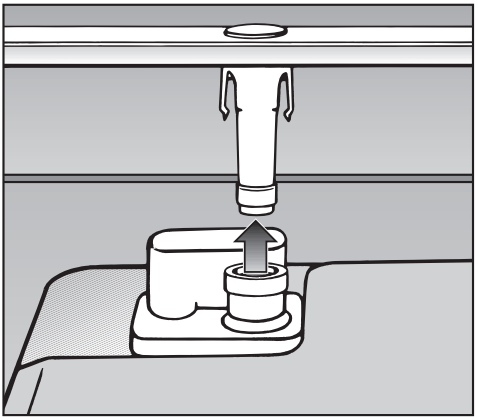
- Switch the dishwasher off.

Remove the spray arms as follows:

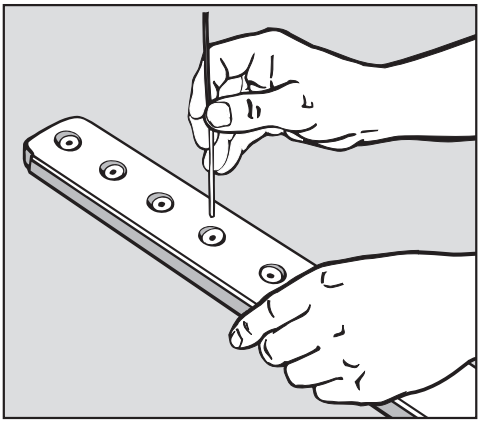
- Take out the cutlery tray (if your dishwasher is fitted with one).



- Push the **top** spray arm upwards to engage the inner ratchet. Then unscrew the spray arm.
- Push the **middle** spray arms upwards ① to engage the ratchet. Then unscrew the spray arm ②.
- Remove the lower basket.



- Pull the **lower** spray arm firmly upwards to remove it.



- Use a pointed object to push food particles into the spray arm jets.
- Rinse thoroughly under running water.
- Replace the spray arms and check that they rotate freely.

Problem solving guide

With the help of the following guide, minor faults in the performance of the machine, some of which may result from incorrect operation can be put right without contacting the Service Department,

⚠ Repairs should only be carried out by the Miele Service Department or an authorised Miele Service Dealer. Unauthorised or incorrect repairs could cause personal injury or damage to the machine.

Technical problems

Problem	Possible cause	Remedy
The dishwasher does not start.	The door is not properly closed.	Push the door firmly shut.
	There is no power to the machine.	Re-establish power to the machine.
	The mains fuse has tripped.	Reset the trip switch or replace the fuse in the plug. (Minimum fuse rating - see data plate).
	The machine is not switched on.	Press the ⏻ button and select a programme.
The dishwasher stops during a programme.	The mains fuse has tripped.	– Reset the trip switch in the mains fuse box (minimum fuse rating - see data plate). – If the mains fuse trips again, call the Miele Service Department.
After the programme has started, the In-operation indicator light is not visible.	The reflector panel was not correctly fitted.	Re-fit the reflector panel correctly (see Installation diagram).

Problem	Possible cause	Remedy
The In-operation indicator is flashing quickly. The buzzer is sounding. One of the following messages appears in the display:		Before rectifying the problem: – Switch the machine off with the ⏻ button.
⚠ Fault FXX	There may be a technical fault.	After a few seconds: – Switch the dishwasher back on. – Select the programme you want. – Close the door. If the fault message appears again, there is a technical fault. – Call the Miele Service Department.
Waterproof	The Waterproof system has reacted.	– Close the stopcock. – Call the Miele Service Department.

Water inlet/drain fault		
Problem	**Possible cause**	**Remedy**
The In-operation indicator is flashing quickly. The buzzer is sounding. One of the following messages appears in the display:		
Open stopcock	The stopcock is closed.	Open the stopcock fully.
Inlet		Before rectifying the problem: – Switch the machine off with the ⏻ button.
	Water intake is restricted.	– Open the stopcock fully. – Check the water inlet filter and clean it if necessary (see "Maintenance"). – The water pressure at the intake is lower than 30 kPa (0.3 bar). Seek professional advice.

Problem	Possible cause	Remedy
The In-operation indicator is flashing quickly. **The buzzer is sounding.** **The following message appears in the display:** Drain		Before rectifying the problem: – Switch the machine off with the ⏻ button.
	The water outlet is restricted, water remains in the wash cabinet at the end of a programme.	– Clean the filter combination. See "Cleaning and care". – Clean the drain pump. See "Maintenance". – Clean the non-return valve. See "Maintenance". – Remove any kink in the drain hose.

General problems with the dishwasher		
Problem	**Possible cause**	**Remedy**
The indicators and display are dark. Only the ⏻ indicator is flashing slowly.	The indicators and display have switched off automatically to save energy (Standby mode).	Press the ⏻ button. This switches Standby off.
The interior lighting does not come on when the door is opened.	The lighting has been switched off permanently.	Switch the lighting back on again (see "Additional functions, BrilliantLight").
The following fault message appears in the display: Salt reservoir lid **The buzzer sounds during the programme and the In-operation indicator light flashes.**	The salt reservoir lid has not been closed properly.	– Close the salt reservoir lid properly. If the salt reservoir lid has sprung open during a programme: – Switch the dishwasher off and then on again with the ⏻ button. – Start the programme again.
The buzzer sounds during a programme. The following fault message appears in the display: Spray arm blocked	Items are blocking the path of the middle spray arm.	Open the dishwasher door and rearrange the items which are obstructing the spray arm.
	The middle spray arm jets are blocked.	– Switch the machine off with the ⏻ button. Then: – Clean the spray arm. See "Cleaning and care".

Problem	Possible cause	Remedy
Detergent residue is left in the dispenser at the end of a programme.	The dispenser was still damp when detergent was added.	Make sure the dispenser is dry before adding detergent.
The detergent dispenser lid cannot be closed properly.	Clogged detergent residue is blocking the catch.	Clean the detergent from the catch.
At the end of a programme there is a film of moisture on the inside of the door and possibly the interior walls.	This is caused by the drying system and does not indicate a fault.	The moisture will dissipate after a while.
Water remains in the wash cabinet at the end of a programme.		Before rectifying the problem: – Switch the machine off with the ⏻ button.
	The filter combination in the wash cabinet is clogged.	Clean the filter combination. See "Cleaning and care".
	The drain pump or non-return valve may be blocked.	Clean the drain pump or the non-return valve. See "Maintenance".
	The drain hose is kinked.	Remove any kink from the drain hose.
Some programmes run for a long time.	This is not a fault. Some special programmes have a long duration.	Select a different programme. See Programme chart.
Even although the AutoOpen function has been selected, the door remains closed at the end of the short programme. **Therefore the crockery is still damp.**	This is not a fault. The AutoOpen function is not available with the Short programme due to its short programme duration.	In order to improve the drying result, the temperature of the final rinse can be increased (see "Settings menu, Final rinse temp.").

Noises		
Problem	**Possible cause**	**Remedy**
Knocking noise in the wash cabinet.	A spray arm is knocking against an item in a basket.	Interrupt the programme, and rearrange the items which are obstructing the spray arm.
Rattling noise in the wash cabinet.	Items of crockery are insecure in the wash cabinet.	Interrupt the programme, and rearrange the items of crockery.
	A foreign object (e.g. a cherry stone) has becomed lodged in the drain pump.	Remove the foreign object from the drain pump (see "Maintenance, Cleaning the drain pump and non-return valve").
Knocking noise in the water pipes.	This may be caused by the on-site installation or the cross-section of the piping.	This has no influence on dishwasher function. If in doubt, contact a suitably qualified plumber.

Unsatisfactory washing result

Problem	Possible cause	Remedy
The dishes are not clean.	The dishes were not loaded correctly.	See notes in "Loading the dishwasher".
	The programme did not meet the cleaning requirments.	Select a suitable programme. See Programme chart.
	Not enough detergent was dispensed.	Use more detergent, or change your detergent.
	Items are blocking the path of the spray arms.	Rearrange the items so that the spray arms can rotate freely.
	The filter combination in the base of the wash cabinet is not clean or is not correctly fitted. This may cause the spray arm jets to get blocked.	Clean and/or fit the filter combination correctly. Clean the spray arm jets. See "Cleaning and care".
	The non-return valve is open and blocked. Dirty water has flowed back into the wash cabinet.	Clean the drain pump and the non-return valve. See "Maintenance, Cleaning the drain pump and non-return valve".
Smearing appears on glassware and cutlery, there is a bluish sheen on the surface of glassware; film can be wiped off.	The rinse aid dosage is set too high.	Reduce the dosage (see "Settings menu, Rinse aid").

Problem solving guide

Problem	Possible cause	Remedy
Dishes, cutlery and glasses are not dry or are flecked.	The amount of rinse aid may be insufficient, or the rinse aid reservoir empty.	Replenish the reservoir, increase the dosage or change the brand of rinse aid (see "Before using for the first time, Rinse aid").
	Crockery was taken out of the cabinet too soon.	Leave it in for longer. See "Operation".
White residue is visible on cutlery and crockery, clouding occurs on glassware; film can be wiped off.	Not enough rinse aid was used.	Increase the dosage (see "Settings menu, Rinse aid").
	There is no salt in the salt reservoir.	Fill the salt reservoir (see "Before using for the first time - Filling the salt reservoir").
	The water softener is programmed to a setting which is too low.	Select a higher water softener setting (see "Settings menu, Water softener").

Problem	Possible cause	Remedy
Glassware has a brown or blue tinge, and film cannot be wiped off.	This may be caused by the detergent.	Change your detergent.
Glassware is dull and discoloured; film cannot be wiped off.	The glasses are not dishwasher-proof. The surfaces are affected.	There is no remedy. Purchase glassware which is dishwasher-proof.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected programme was too low.	Select a programme with a higher wash temperature.
	The bleaching effect of the detergent used is too low.	Change your detergent.
Plastic items are discoloured.	Natural dyes e.g. from carrots, tomatoes or ketchup may be the cause. The amount of detergent used or its bleaching effect was not sufficient to deal with natural dyes.	Use more detergent (see "Operation, Detergent"). Discolouration is irreversible.
There are rust stains on cutlery.	The affected items are not corrosion resistant.	There is no remedy. Purchase cutlery which is dishwasher-proof.
	A programme was not run after dishwasher salt was added. Traces of salt have got into the wash cycle.	Always run the Pre-wash programme, without any crockery in the dishwasher, after adding dishwasher salt.

Cleaning the water inlet filter

A filter is incorporated in the screw connection of the valve on the water inlet hose. The filter must be cleaned when dirty, otherwise insufficient water flows into the wash cabinet.

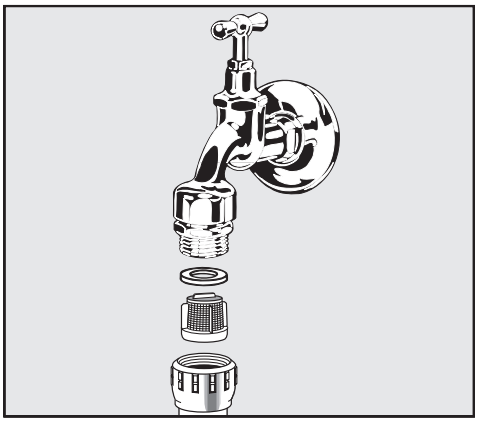
⚠ The plastic housing of the water connection contains an electrical component. The housing must not be dipped in water.

Recommendation

If the mains water contains a large number of insoluble substances, we recommend fitting a large-area filter in the connection between the stopcock and the water inlet hose threaded union. This filter is available from the Miele Spares Parts dept.

Cleaning the filter:

- Switch the dishwasher off and disconnect it from the mains.
- Close the stopcock.
- Unscrew the inlet hose.

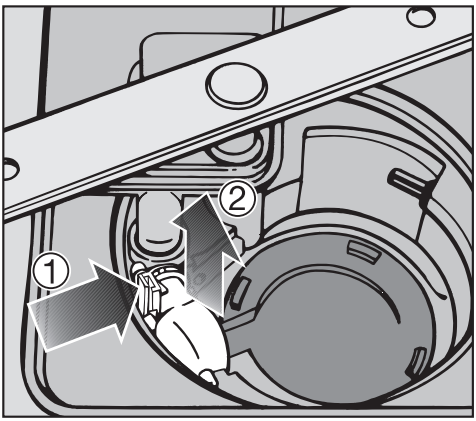


- Carefully remove the seal.
- Withdraw the filter using pointed pliers and rinse clean under running water.
- Take care when withdrawing the filter not to pull out or dislodge the flow regulator located underneath the filter.
- Replace the filter and seal, making sure they are sitting correctly.
- Reconnect the inlet hose to the stopcock, making sure it goes on correctly and is not cross-threaded.
- Turn on the stopcock gradually to test for leaks. If there is a leak, the inlet hose might not be on securely, or it may have been screwed on at an angle. Unscrew and reconnect the water inlet valve correctly.

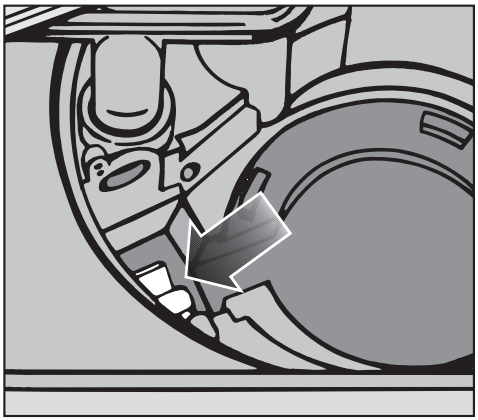
Cleaning the drain pump and non-return valve

If the water has not been pumped away at the end of a programme the drain pump or the non-return valve might be blocked. They are, however, easy to clean.

- Switch off the dishwasher and disconnect it from the mains.
- Take the filter combination out of the wash cabinet (see "Cleaning and care", "Cleaning the filters").
- Scoop the water out of the cabinet using a suitable container or utensil.



- Press the catch for the non-return valve inwards ①.
- Lift out the non-return valve ②, and rinse well under running water.
- Remove all foreign objects from the non-return valve.



The drain pump is situated under the non-return valve (see arrow).

- Remove all foreign objects from the drain pump (watch out for glass or bone splinters which are particularly difficult to detect and could cause injury). Turn the drain pump impeller by hand to check that there are no more obstructions. You will feel a little resistance when you turn the impeller.
- Carefully replace the non-return valve, and secure it with the catch.

⚠ Ensure that the catch engages.

Be very careful not to damage sensitive components when cleaning the drain pump and the non-return valve.

Programme chart

Programme	When to use	Detergent Follow the detergent manufacturer's recommendations on dosage.	
		Compartment I [1]	Compartment II [1]
Short	For fresh, easily removed food deposits		20 - 30 g
Medium	For normal food deposits which have begun to dry on		20 - 30 g
Intensive	For burnt-on, stubborn, dried-on food deposits containing starch or protein [1]	10 g	20 - 30 g
Glasses	Special programme for glasses		20 - 30 g
Hygiene	Special hygiene programme for items that need to be hygienically clean		20 - 30 g
Plastics	Special programme for plastic items		20 - 30 g
Beer glasses	Special programme for beer glasses. (Instead of being left to dry in the machine at the end of the programme, beer glasses are taken out and dried by hand).		20 - 30 g
ECO *)	Standard programme for cleaning normally soiled crockery.		20 - 30 g
Pre-wash	For rinsing heavily soiled items, (e.g. for removing soiling or to prevent soiling drying on to dishes when a complete programme is not yet needed).		

*) This programme is the most efficient in terms of its combined energy and water consumption at cleaning normally soiled crockery.
(the programme duration is fixed and cannot be altered)

[1] see "Operation, Detergent"

Programme sequence								
Pre-wash	Main wash	Interim rinse I	Interim rinse II [2]	Final rinse	Drying	Additional drying	Auto Open	Water plus
	X 65 °C 1 min	X 10 s	(X)	X 65 °C [3] 30 s		(X)	[4]	(X)
	X 65 °C 10 min	X 3 min	(X)	X 65 °C [3] 1.5 min		(X)	(X)	(X)
X 8 min	X 75 °C 10 min	X 3 min	(X)	X 65 °C [3] 1.5 min		(X)	(X)	(X)
	X 50 °C 1 min	X 3 min	(X)	X 50 °C 1 min		(X)	(X)	(X)
X 8 min	X 75 °C 10 min	X 3 min	(X)	X 70 °C [3] 3 min	X 30 min		(X)	(X)
X 10 min	X 50 °C 1 min	X 5 min		X 60 °C 30 s	X 45 min		(X)	
	X 50 °C 1 min	X 3 min		X — [5] 1 min				
	X 41.5 °C 47 min	X 3 min		X 49.5 °C 5 min	X 45 min		(X)	
	X Cold 8 min							

X = Sections included in a programme
(X) = Optional sections which can be selected

[2] If a second interim rinse is required, this must be programmed into the machine by a Miele service technician.

[3] Optional temperature increase to 75 °C.

[4] Due to the short programme duration AutoOpen does not take place at the end of the programme.

[5] Without rinse aid and with cold water.

Programme chart

Programme	Consumption [6]			Duration [6]	
	Electricity		Water		
	Cold water connection (15°C)	Hot water connection (55°C)		Cold water connection (15°C)	Hot water connection (55°C)
Short	1.7 kWh	0.9 kWh	17 l	25 min [7]	19 min [7]
Medium	1.7 kWh	1.0 kWh	17 l	38 min [7]	30 min [7]
Intensive	1.9 kWh	1.0 kWh	23 l	30 min [7]	30 min [7]
Glasses	1.1 kWh	0.4 kWh	17 l	20 min [7]	20 min [7]
Hygiene	2.0 kWh	1.1 kWh	23 l	89 min	82 min
Plastics	1.4 kWh	0.5 kWh	23 l	85 min	78 min
Beer glasses	0.7 kWh	0.4 kWh	17 l	20 min	17 min
ECO *)	1,061 kWh	0.5 kWh	17 l	119 min	113 min
Pre-wash	0.03 kWh	0.03 kWh	5 l	11 min	11 min

[6] Values are calculated in accordance with EN 50242 for a connected load of 6.7 kW. These will vary depending on electrical variant.

[7] The data quoted is for the wash duration without drying.

Making the most of the dishwasher

Optional accessories for this dishwasher are available from Miele or your Miele Dealer.

If you would like to …	you will need to order …
... wash a Miele Cappuccinatore	… a Cappuccinatore insert for the upper basket
... wash additional items of cutlery	... a cutlery basket for the lower basket
... wash long-stemmed glassware	... a glass rack for the lower basket

Repairs

In the event of any faults that you cannot remedy yourself, please contact:

– the Miele Service Department (see back cover for address) or

– your Miele Service Dealer.

■ When contacting your Dealer or the Service Department, please quote the model type and number of your machine.

These are shown on the data plate on the right hand side of the door.

Future updates

The programme update function is designed to enable a service technician to update your machine's electronics in keeping with advances in technology.

Programme updating can only be carried out by the Miele Service Department.

For test institutes

All information required regarding comparison testing and measuring noise levels is given in the **"Comparison tests"** leaflet.
The latest version of this leaflet can be ordered by email from:

– testinfo@miele.de

■ Please give your postal address, as well as the model type and number of your dishwasher (see data plate).

⚠ All electrical work must be carried out by a suitably qualified and competent person, in accordance with current local and national safety regulations (BS 7671 in the UK).

– Ensure power is not supplied to this machine until after it has been installed.
– We recommend that connection to the power supply be made via a suitable plug and socket which must be accessible for service and maintenance work after the machine has been installed.
– For hard-wired machines, connection should be made via a suitable mains switch with all-pole isolation which when in the off position ensures a 3 mm gap between all open contacts.
– An electrical safety test must be carried out after installation and after any service work.
– Equipotential bonding should be carried out if required.
– The mains connection cable may only be replaced by an original Miele spare part or an appppropriate cable with **wire end ferrule**.
– For technical data see data plate or wiring diagram supplied.

The machine must only be operated with the voltage, frequency and fusing shown on the **data plate**.

This machine **can be converted to a different type of power supply** in accordance with the **conversion diagram** and **wiring diagram** supplied.

Converting the machine to a different type of power supply can lead to longer programme durations resulting in increased energy consumption.
The values declared on the label will only be achieved if the machine remains in the state it was delivered in.

Data plates showing relevant test marks are located at the back of the dishwasher and inside the door.

The **wiring diagram** is supplied with the machine.

The **conversion chart** is secured behind the plastic plinth panel.

WARNING
THIS MACHINE MUST BE EARTHED

Electrical connection

Removing the plinth panel

The electrical connection point is located behind the front plinth panel in the middle.

⚠ Disconnect the machine from the mains electricity supply.

- Unscrew the plinth panel by loosening the 2 screws on the left and right hand sides.
- Secure the plinth panel back in position once connection has been successfully completed.

Please refer to the installation diagram supplied with the machine.

Equipotential bonding connection

There is a screw connection point marked with the earth symbol (⏚) at the back of the machine, to which additional equipotential bonding can be connected.

The Miele waterproof anti-leak system

Providing your dishwasher has been installed correctly, the Miele waterproof anti-leak system will protect you from water damage throughout its lifetime.

Connection to the water supply

⚠ The water in the machine must not be used as drinking water.

– The machine must be connected to the water supply in strict accordance with current local and national water authority regulations (WRAS in the UK).

UK only:
To comply with WRAS requirements, this machine must be connected to the potable water supply via the non-return check valve supplied with the machine.

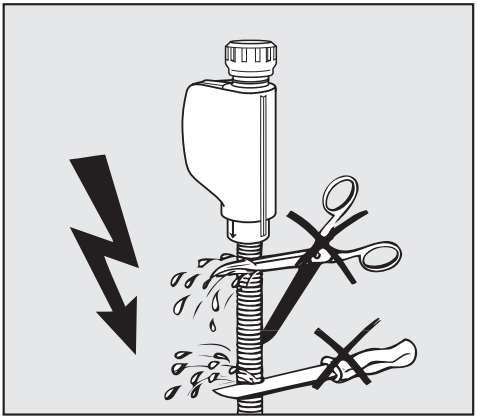
– The water used must at least comply with European regulations for drinking water quality. If the water supply has a high iron content there is a danger of corrosion occurring on items being cleaned in the machine, as well as in the machine itself. If the chloride content of the water exceeds 100 mg/l the risk of corrosion to items being cleaned in the machine will be further increased.

– The water pressure (flow pressure at the take-off point) must be between 30 and 1000kPa (0.3 and 10bar). If the water pressure is lower than this, the fault message Inlet will appear in the display (see "Problem solving guide").If the water pressure is too high, a pressure reducer valve must be fitted.

– A stopcock with a $^3/_4$" male thread must be provided on site. It should be easily accessible so that the water supply can be turned off when the machine is not in use.

– The DN 10 inlet hose is approx. 1.5 m long terminating in a $^3/_4$" female thread. A 1.5 metre long flexible metal extension hose, pressure tested to 14,000 kPa/ 140 bar, is available as an optional accessory if required. On no account may the inlet filter or the flow regulator in the connection be removed.

⚠ To avoid any damage to the machine, the dishwasher must only be connected to a fully vented plumbing system.



⚠ The inlet hose must **not** be shortened or damaged in any way as it contains electrical components (see illustration).

Plumbing

– The machine's drainage system is fitted with a non-return valve, which prevents dirty water from flowing back into the dishwasher via the drain hose.

– The machine should preferably be connected to a **separate** drainage system on site.
If separate drainage is not available contact Miele for professional advice.

– The dishwasher is supplied with approx. 1.5 m of flexible drain hose with an internal diameter of 22 mm. Hose clips are supplied for securing it in position.

– The drain hose can be extended using a connection piece to attach a further length of hose.
The drainage length must not be longer than 4 m, and the delivery head must not exceed 1 m.

– The drainage system must be able to take a minimum drainage flow of 16 l/min.

– The drain hose must not be shortened.

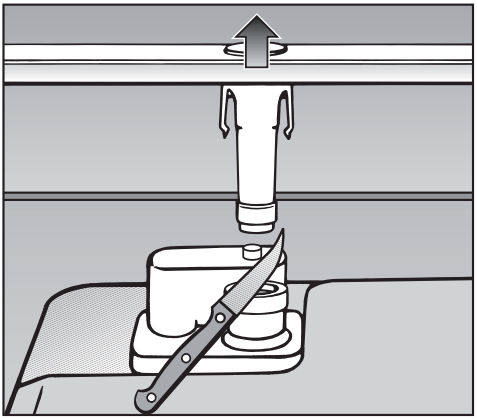
⚠ Make sure that there are no kinks in the hose, and that it is not squashed or stretched.

Venting the drainage system

If the on-site drain connection is situated lower than the guide path for the bottom basket rollers in the open door, the drainage system must be vented. Otherwise a siphoning effect during a programme can cause the machine to empty itself of water.

To vent it:

■ Open the dishwasher door fully.



■ Pull the lower spray arm firmly upwards to remove it.

■ Cut off the top of the vent valve in the wash cabinet.

Technical data

Commercial dishwasher model	**PG 8083 SCVi**
Height	84.5 cm (adjustable + 6.5 cm)
Height of building-in recess	Min. 84.5 cm (+ 6.5 cm)
Width	59.8 cm
Width of building-in recess	60 cm
Depth	57 cm
Weight	57.5 kg
Voltage	
Frequency	See data plate
Fuse rating	
Power consumption when switched off	0.30 W
Power consumption when not switched off	2.00 W
Water pressure (flow rate)	30 - 1000 kPa (0.3 - 10 bar)
Cold or hot water connection	up to max. 60 °C
Raw water hardness	max. 36 °d (6.5 mmol/l)
Delivery head	Max. 1 m
Drainage length	Max. 4 m
Mains cable	Approx. 1.7 m
Capacity	14 place settings
Noise emission values	
Sound level in LwA	49 dB (A)
Noise level in LpA	38 dB (A)
Test certificates awarded	EMC, VDE, radio and television suppressed
CE mark	2006/42/EC Machine guidelines
Manufacturer's address	Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany

Settings menu for changing standard settings

To open the Settings menu

- Switch the dishwasher off with the ⏻ button, if it is switched on.
- Press and hold the ∨ button.
- Switch the machine on with the ⏻ button and keep the ∨ button pressed in for at least 4 seconds.

The first option of the Settings menu will appear in the display and all the indicator lights will come on.

> See "Display / Settings menu" for more information about the display and controls.

- Select the option you want to change.

> Sub-menu options which have already been set will have a tick ✓ beside them.

Language

The display can be set to appear in one of several different languages.

You can select one of the languages displayed via the **Language** sub-menu.

- Select the language you want, and confirm your selection with the middle button.

> The flag after the word "**Language**" acts as a guide if a language which you do not understand has already been set.
> If this is the case, keep selecting the option which has a flag after it until you reach the **Language** sub-menu.

Water hardness

Your dishwasher is fitted with a water softener which you need to programme to the water hardness level in your area.

– Your local water authority will be able to advise you of the water hardness level in your area.

– Where the water hardness fluctuates, e.g. between 3.1 - 4.5 mmol/l (17 - 25 °d - German scale), always programme the dishwasher to the higher value (4.5 mmol/l in this example).

A tick ✓ will appear beside the water hardness which has been set.

■ Select the water hardness you want, and confirm your selection with the middle button.

°d German scale	mmol/l	°f	Value displayed
1	0.2	2	1
2	0.4	4	2
3	0.5	5	3
4	0.7	7	4
5	0.9	9	5
6	1.1	11	6
7	1.3	13	7
8	1.4	14	8
9	1.6	16	9
10	1.8	18	10
11	2.0	20	11
12	2.2	22	12
13	2.3	23	13
14	2.5	25	14
15	**2.7**	**27**	**15**
16	2.9	29	16
17	3.1	31	17
18	3.2	32	18
19	3.4	34	19
20	3.6	36	20
21	3.8	38	21
22	4.0	40	22
23	4.1	41	23
24	4.3	43	24
25	4.5	45	25
26	4.7	47	26
27	4.9	49	27
28	5.0	50	28
29	5.2	52	29
30	5.4	54	30
31	5.6	56	31
32	5.8	58	32
33	5.9	59	33
34	6.1	61	34
35	6.3	63	35
36	6.5	65	36

Rinse aid

You can adjust the rinse aid dosage for best results. The rinse aid dosage can be set from approx. 0-6 ml. The factory default setting is 3 ml.

If spots appear on crockery and glassware:
– Increase the rinse aid dosage.

If clouding or smearing appears on crockery and glassware:
– Decrease the rinse aid dosage.

■ Select the rinse aid dosage you want, and confirm your selection with the middle button.

Buzzer

When the buzzer is activated, an audible tone sounds at the end of a programme and when there is a fault.

Buzzer at the end of a programme

You will hear the buzzer at the end of a programme. It will sound four times in intervals with a noticeable pause in between. Switching the dishwasher off will switch the buzzer off.

Buzzer when there is a fault

In the event of a fault, the buzzer will sound four times in intervals with only a very short pause in between.

The buzzer which sounds when there is fault cannot be deactivated.

Setting the buzzer volume

There are seven different volume settings. If no volume is selected, the buzzer is deactivated.

■ Select the volume you want, and confirm your selection with the middle button.

AutoOpen

In order to help the drying process, the door will automatically open a little at the end of the programme (except Pre-wash, Short and Beer glasses). See the Programme chart.

With the Medium, Intensive and Glasses programmes, AutoOpen is only activated with the Additional drying function (see "Additional functions, Additional drying").

This function can be deactivated if wished.

- Select the setting you want, and confirm your selection with the middle button.

⚠ If you have deactivated the automatic door opening function but would still like to open the door at the end of the programme, then make sure that you open the door fully. Otherwise steam from the dishwasher could damage the edge of the worktop because the fan is no longer running.

Optimise standby

To save energy, the dishwasher will switch to Standby mode a few minutes after the last time a button has been pressed or a few minutes after the end of the programme. The display and indicator lights will go out and only the ⏻ indicator light will flash slowly.
If the dishwasher is not switched off at the end of the programme, it will switch off completely after a few minutes in Standby mode.

The Optimise standby function can be deactivated if wished. The display and the indicator lights will not go out, and the time lapse before the dishwasher switches off will increase to approx. 6 hours, resulting in higher energy consumption.

- Select the setting you want, and confirm your selection with the middle button.

The dishwasher will not switch into Standby mode whilst a programme is running, if salt or rinse aid needs to be replenished or there is a fault.

You can switch off the reminders to replenish salt and rinse aid so that the dishwasher will go into Standby despite a lack of salt or rinse aid. You cannot switch off fault messages.

Refill display

If you want the dishwasher to go into Standby mode despite a lack of salt or rinse aid, you can switch off both of the refill messages together.

- Select the setting you want, and confirm your selection with the middle button.

Brightness

There are seven different display brightness settings.

- Select the brightness setting you want, and confirm your selection with the middle button.

Contrast

There are seven different display contrast settings.

- Select the contrast setting you want and confirm your selection with the middle button.

Check filters

You can adjust the interval at which the reminder to check the filters appears. You can set an interval of between 30 and 60 programme cycles.

The "Check filters" message is set at the factory to appear after every 50 programme cycles.

This function can be deactivated if wished.

- Select the setting you want, and confirm your selection with the middle button.

External dispenser

Activate the automatic dispensing of liquid detergent setting if you have connected an optional G 60 Semi DOS module.

The G 60 Semi DOS module is supplied with its own installation instructions.

- Select the setting you want, and confirm your selection with the middle button.

The setting will remain active until you deactivate the "External dispenser" option.

Detergent amount

This function will only be visible if the External dispenser option has been activated.

For dispensing liquid detergent via the G 60 Semi Dos Module you can set the dosage in millilitres or as a percentage depending on the detergent manufacturer's specifications

– **Specified in ml**
  30 ml is the factory default.
  The dosage can be altered in 2 ml stages from 10 - 100 ml.
– **Specified as a percentage**
  0.50 % is the factory default.
  The dosage can be altered in stages of 0.03 - 0.04 % from 0.17 - 1.67 %.

■ Select the setting you want, and confirm your selection with the middle button.

Venting the dispensing system

The dispensing system will only dispense reliably when there is no air in the system.

The dispensing system must be vented if:

– the dispensing system is being used for the first time,
– the liquid detergent container has not been refilled in time and the dispensing system has emptied.

⚠ In order to ensure that the dispensing system functions correctly, check before venting that the liquid detergent container is filled sufficiently and that the dispensing lance is connected to the container securely.

■ Select **Start venting** and confirm your selection with the middle button.

The venting process will begin. The time remaining will appear in the display.

As soon as the venting process is completed you will be prompted to run the Pre-wash programme. Start the programme in order to remove any traces of liquid detergent.

Final rinse temp.

To facilitate drying the temperature of the final rinse can be increased in individual programmes. The function is not available for every programme (see the Programme chart).

- Select the setting you want, and confirm your selection with the middle button.

Water level plus

When this function is activated the water intake is increased in the main wash phase. This function is not available for every programme (see the Programme chart).

- Select the setting you want, and confirm your selection with the middle button.

Pre-select prog.

You can choose whether you want the ECO programme or the last selected programme to appear pre-selected in the display when the dishwasher is switched on.

Select the setting you want, and confirm your selection with the middle button.

Showroom prog.

This setting is intended for dealers only.

The dishwasher is fitted with demonstration programmes for showroom use.

– Demo with sound:
  The pumps are activated to demonstrate the sound of the dishwasher.
– Demo AutoOpen:
  The door will open automatically.

To switch Demo mode on

- Select the option you want.
- Select On and confirm with the middle button.
- Close the door.

Demo mode will begin.

To switch Demo mode off

Demo mode will switch off automatically when it reaches the end of the cycle.

Factory settings

If you have altered any settings from the factory default, you can reset them back to the factory default settings. You cannot use this function to reset either the External dispensing option if this has been activated or the detergent amount or dosage concentration set for external dispensing.

- Select Reset to default and confirm your selection with the middle button.

To close the Settings menu

Use Close to come out of the Settings menu.

- Select Close and confirm your selection with the middle button.

The last programme selected will appear in the display briefly and the appropriate indicator light will come on.

After a short while, the estimated programme duration will appear in the display.

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